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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/256,624	02/23/1999	GOPAL PARUPUDI	1630	1052

7590 01/23/2003

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[REDACTED] EXAMINER

KUPSTAS, TOD A

[REDACTED] ART UNIT

[REDACTED] PAPER NUMBER

2153

DATE MAILED: 01/23/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

<b>Application No.</b> 09/256,624  <b>Examiner</b> Tod Kupstas	<b>Applicant(s)</b> PARUPUDI ET AL.	<b>Art Unit</b> 2153
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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) Responsive to communication(s) filed on 14 May 2002.
- 2a) This action is **FINAL**.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) Claim(s) 1-8, 10-14 and 23-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-8 and 23-30 is/are rejected.
- 7) Claim(s) 10-14 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)<br>2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)<br>3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ . | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s) _____.<br>5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)<br>6) <input type="checkbox"/> Other: _____ |
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## **DETAILED ACTION**

### ***Specification***

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

### ***Claim Objections***

2. Claim 1 is objected to because of the following informalities: In claim 1, line 8, "a fired event notification" should be --the fired event notifications--. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1-8, and 23-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Angal et al. (US 6,298,378).

As set forth in claims 1, Angal discloses a system for providing notifications of computer system events to clients; see col. 4, lines 47-64 (these lines describe some of the events for which the system fires off a notification), comprising a central service (the system uses the MIS

(management information server 104, and the Event Distribution System (EDS) 108) configured to monitor for system events including at least one system event corresponding to whether network connectivity has changed state and to fire event notifications in response thereto (the system notifies the "listeners" in the system when a system has come on-line or gone off-line), including at least one event notification when a network is established, a registrations mechanism for clients to register for notification of one or more types of events; see col. 5, lines 1-41, also see col. 6, lines 31-52, (these lines discuss the usage of a list of listeners who will receive the information, the MIS and the EDS systems can function together in order to filter out and provide the listener with the requested information), including at least one client registered for network connectivity event notification, and a distribution mechanism that communicates a fired event notification to each client registered for notification thereof based on the type of event notification (the system will send notification to listeners who have requested notification based upon certain criteria).

As set forth in claim 3, Angal discloses a notification which includes activating, starting or running a program or script (the system will respond to various system notifications, such as an alarm, this will trigger a response that is embodied in a program).

As set forth in claims 4 and 24, Angal discloses a system wherein the client registers for notification of a type of event with the registration mechanism and includes condition information therewith, and the distribution mechanism includes a filtering mechanism for selectively communicating an event notification based on at least one condition; see col. 5, lines 1-41, also see col. 6, lines 31-52, these lines discuss the usage of a list of listeners who will receive the information, the MIS and the EDS systems can function together in order to filter out and provide

the listener with the requested information; col. 4, lines 47-64 provides a list of various conditions for which the notification will be sent.

As set forth in claims 6 and 25, Angal discloses a system wherein the central service receives at least some of the system events from an operating system (in the list of system events provided by the Angal, at least quality of service alarms can come from an OS, additionally any of the other events discussed in col. 4, can come from the OS of the device connected to the network).

As set forth in claim 7, Angal discloses a system wherein the system event includes information related of the power state of the machine; see col. 4, lines 48-64, (the system will indicate when a system comes on line and will further indicate the status of the system).

As set forth in claim 8, Angal discloses a system event which includes information related to the logon state of the machine; see col. 4, line 53, (this line indicates that the system notifies other systems when a device has come on-line).

As set forth in claim 26, Angal discloses a computer-readable medium wherein the system information includes information related to a network state (the system indicates whether the system is on-line or not).

As set forth in claim 27, Angal discloses a computer-readable medium wherein the network is a wide area network, and wherein the step of receiving system information at a central service comprises the step of receiving remote access services events; see col. 4, line 48-col. 5, line 15, and see col. 1, lines 46-64 (the system is connected to large networks, such as the internet and therefore operates on that scale).

As set forth in claim 28, Angal discloses a computer readable medium wherein the network is a LAN, and having further computer-executable instructions for performing the step of

caching network information corresponding to activity on the LAN; see col. 4, line 48-col. 5, line 15, and see col. 1, lines 46-64 (limited networks are contemplated in Angal).

As set forth in claim 29, Angal discloses a computer-readable medium having further computer-executable instructions for performing the step of evaluating cached network information to determine the state of network connectivity (the system will indicate when the system goes on-line, off-line).

As set forth in claim 30, Angal discloses a computer-readable medium wherein the central service publishes an event when the state of network connectivity has changed from a previous value thereof (the system will indicate when the system goes on-line, off-line).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2, 5, and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Angal et al. (US 6,298,378) in view of Gani et al. (The Object Revolution How COM technology is changing the way we do business).

Regarding claims 2, 5, and 23, Angal discloses a central service which is a publisher and clients which are subscribers (listeners) and the registration mechanism and distribution mechanism incorporated within a loosely coupled events database (the MIS and EDS systems).

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Angal does not disclose having an event class object. Gani discloses using class objects in a system; see page 108. It would have been obvious to a person of ordinary skill in the art at the time this invention was made to have provided the system of Angal, with the means for using Object Class language, as taught by Gani. The rationale is as follows: It would have been desirable to deliver information in a faster and more cost-effective manner. As Gani teaches the desirability of using an Object oriented system, one of ordinary skill would have been motivated by Gani's teaching to have provided the system of Angal, with an object oriented system, thereby having provided faster means for sending notification of events.

***Response to Arguments***

7. Applicant's arguments with respect to claims 1-8, and 23-30 have been considered but are moot in view of the new ground(s) of rejection.

***Allowable Subject Matter***

8. Claims 10-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after

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the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tod Kupstas whose telephone number is (703) 305-2655.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess, can be reached at (703) 305-4792. The fax phone number for this art unit is (703) 308-7201. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the technology center receptionist whose telephone number is (703) 305-3900.

Tod Kupstas

Jan. 21, 2003



GLENTON B. BURGESS  
SUPERVISORY PATENT EXAMINER  
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